

## 10723419 BOILING POINT OF A LIQUID

## East SRNT (sjp)

January 5, 2006

Type	L#	Hits	Search Text	DBs	Time Stamp	Comments
BRS	L1	69	(US-20010010799-\$ or US-20020172295-\$ or US-20030033861-\$ or US-20030215335-\$ or US-20040013536-\$ or US-20040129057-\$ or US-20040190587-\$ or US-20040231402-\$ or US-20050013340-\$).did. or (US-0151235-\$ or US-2059961-\$ or US-3084535-\$ or US-	US-PPGPUB; USPAT; DERWENT	1/5/06 10:45	previously tagged
IS&R	L2	0	(10/362344).CCLS.	US-PPGPUB; USPAT	1/5/06 10:47	
BRS	L3	1184	((phase near change) and ( brake adj fluid)) or ((boil\$3 near point) and ( brake adj fluid)) or ((boil\$3 near temperature) and ( brake adj fluid)) OR ((phase near change) and ( hydraulic adj oil)) or ((boil\$3 near point) and ( hydraulic adj oil)) or ((boil\$3 near temperature) and ( hydraulic adj oil)) OR ((phase near change) and ( hydraulic adj fluid)) or ((boil\$3 near point) and ( hydraulic adj fluid)) or ((boil\$3 near temperature) and ( hydraulic adj fluid))	US-PPGPUB; USPAT	1/5/06 10:50	
BRS	L4	2882	(microfluidic adj valving ) micro\$pump or micro\$1valve	US-PPGPUB; USPAT	1/5/06 11:48	
BRS	L5	10	L3 and L4	US-PPGPUB; USPAT	1/5/06 10:50	Refreshed - one new citation.
BRS	L6	0	(microfluidic adj2 valv\$3 ) and L3 not L5	US-PPGPUB; USPAT	1/5/06 11:49	
BRS	L7	21	((phase near change) and ( brake adj oil)) or ((boil\$3 near point) and ( brake adj oil)) or ((boil\$3 near temperature) and ( brake adj oil))	US-PPGPUB; USPAT	1/5/06 11:49	Refreshed - one new citation.
BRS	L13	8	(Hygroscopic adj2 fluid ) with boil\$3	US-PPGPUB; USPAT	1/5/06 12:29	browsed
BRS	L14	99	(Hydraulic adj2 fluid ) with boil\$3	US-PPGPUB; USPAT	1/5/06 12:29	browsed
BRS	L15	14	(US-20040013536-\$ or US-20010010799-\$).did. or (US-6071081-\$ or US-5375979-\$ or US-4869596-\$ or US-5330268-\$ or US-4781469-\$ or US-4408902-\$ or US-5814721-\$ or US-5127471-\$ or US-3898017-\$ or US-6520197-\$ or US-6065864-\$).did. or (DE-3639664-\$).did.	US-PPGPUB; USPAT; DERWENT	1/5/06 12:48	CITED in an 892 of FAOM
BRS	L16	5	(US-6071081-\$ or US-5725363-\$).did. or (DE-3639664-\$ or WO-200218783-\$ or DE-4002792-\$).did.	USPAT; DERWENT	1/5/06 12:48	Cited in IDS
BRS	L17	6	(US-20050013340-\$).did. or (US-6407479-\$ or US-6308564-\$ or US-6787047-\$ or US-4257775-\$ or US-6869273-\$).did.	US-PPGPUB; USPAT	1/5/06 12:47	Cited in 892 of JUNE 2005
BRS	L29	60	"2599276"   "3084535"   "3253454"   "3264558"   "3392570"   "3446056"   "3487201"   "3522530"   "3564900"   "3943767"   "4109527"   "4227411"   "4399823"   "4408902"   "4449403"   "4484822"   "4484823"   "4559813"	US-PPGPUB; USPAT; USOCR	1/5/06 12:54	JANUS search from selected patents from 892
BRS	L30	76	"3264558"   "3392570"   "3446056"   "3487201"   "3522530"   "3564900"   "3648018"   "3943767"   "4109527"   "4227411"   "4399823"   "4408902"   "4449403"   "4470759"   "4484822"	US-PPGPUB; USPAT; USOCR	1/5/06 12:58	Janus search 2
BRS	L32	8	("5076094"   "5130257"   "5216312"   "5440188"   "5741961"   "5910286"   "6304021").PN. OR ("6407479").URPN.	US-PPGPUB; USPAT; USOCR	1/5/06 13:01	Janus Search 3 - browsed first.
BRS	L33	65	30 not 32	US-PPGPUB; USPAT	1/5/06 13:05	
BRS	L36	0	29 not 32 not 30	US-PPGPUB; USPAT	1/5/06 13:05	
BRS	L35	14	30 not 32 not 29	US-PPGPUB; USPAT	1/5/06 13:08	browsed
BRS	L34	51	29 not 32	US-PPGPUB; USPAT	1/5/06 13:09	browsed
BRS	L37	189	((evaluat\$3 near electronic\$4) near thermistor) or (( measur\$5 near electronic\$4) near thermistor) or (( current near meter) near thermistor) or (( current near measur\$5 ) near thermistor) or (( resist\$4 near measur\$5 ) near thermistor)	US-PPGPUB; USPAT	1/5/06 13:22	refreshed - see below for update
BRS	L38	0	(eisenenschmid with Heinz).in. and @pd>"20050609"	US-PPGPUB; USPAT	1/5/06 13:23	
BRS	L39	16	37 and @pd>"20050609"	US-PPGPUB; USPAT	1/5/06 13:24	browsed for update.

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Pg 2 of 4

January 5, 2006

Type	L#	Hits	Search Text	DBs	Time Stamp	Comments
BRS	L40	206	39 or 34 or 35 or 14 or 13 or 7 or 5	US-PGPUB; USPAT	1/5/06 13:39	browsed TODAY so far.
IS&R	L42	79	(374/27).CCLS.	US-PGPUB; USPAT	1/5/06 13:40	
IS&R	L44	169	(374/16).CCLS.	US-PGPUB; USPAT	1/5/06 13:41	
IS&R	L46	1249	((374/141) or (374/147) or (374/148)).CCLS.	US-PGPUB; USPAT	1/5/06 13:41	
IS&R	L48	50	(73/61.77).CCLS.	US-PGPUB; USPAT	1/5/06 13:42	
BRS	L49	0	L48 and @pd>"20050609"	US-PGPUB; USPAT	1/5/06 13:42	
IS&R	L50	156	(417/209).CCLS.	US-PGPUB; USPAT	1/5/06 13:42	
BRS	L51	0	L50 and @pd>"20050609"	US-PGPUB; USPAT	1/5/06 13:43	
IS&R	L52	183	(417/208).CCLS.	US-PGPUB; USPAT	1/5/06 13:43	
IS&R	L54	62	(73/61.46).CCLS.	US-PGPUB; USPAT	1/5/06 13:43	
BRS	L55	0	L54 and @pd>"20050609"	US-PGPUB; USPAT	1/5/06 13:43	
IS&R	L56	92	(73/61.76).CCLS.	US-PGPUB; USPAT	1/5/06 13:43	
BRS	L57	1	L56 and @pd>"20050609"	US-PGPUB; USPAT	1/5/06 13:44	b = browsed for UPDATE
BRS	L58	1	L52 and @pd>"20050609"	US-PGPUB; USPAT	1/5/06 13:45	b
BRS	L43	1	L42 and @pd>"20050609"	US-PGPUB; USPAT	1/5/06 13:47	b
BRS	L45	5	L44 and @pd>"20050609"	US-PGPUB; USPAT	1/5/06 13:48	b
BRS	L58	32	47 not 40 not 43 not 45 not 53 not 57	US-PGPUB; USPAT	1/5/06 13:51	Check for Duplicates - none.
BRS	L47	32	L46 and @pd>"20050609"	US-PGPUB; USPAT	1/5/06 13:51	browsed.

Type	L#	Hits	Search Text	DBs	Time Stamp	Comments
IS&R	L59	69	(374/25).CCLS.	US-PGPUB; USPAT	1/5/06 14:00	BROWSED.
IS&R	L62	37	(303/122.03).CCLS.	US-PGPUB; USPAT	1/5/06 14:06	browsed, NA
BRS	L63	246	60 not 47 not 40 not 43 not 45 not 53 not 57	US-PGPUB; USPAT	1/5/06 14:08	
BRS	L64	260	61 not 47 not 40 not 43 not 45 not 53 not 57	US-PGPUB; USPAT	1/5/06 14:08	
IS&R	L60	247	(188/1.11L).CCLS.	US-PGPUB; USPAT	1/5/06 14:11	browsed back thru 2001/08 ==> NOT pertinent
IS&R	L61	262	(188/1.11E).CCLS.	US-PGPUB; USPAT	1/5/06 14:10	browsed back thru 2002/07 ==> NOT pertinent

Type	L#	Hits	Search Text	DBs	Time Stamp	Comments
BRS	L65	0	(( electric\$2 near heat\$3 ) with micro\$1pump with fluid with (temperature or resistance)).clm.	US-PGPUB; USPAT	1/5/06 14:13	
BRS	L67	7	(( electric\$2 near heat\$3 ) with boil\$3 with fluid with (temperature or resistance)).clm.	US-PGPUB; USPAT	1/5/06 14:14	browsed
BRS	L68	15	(( electric\$2 near heat\$3 ) with pump\$3 with fluid with (temperature or resistance)).clm.	US-PGPUB; USPAT	1/5/06 14:14	browsed

Type	S#	Hits	Search Text	DB#	Time Stamp	Comments
IS&R	L1	122	(165/247).CCLS.	US-PGPUB: USPAT	1/5/06 16:13	Heat exchange == Class 165
IS&R	L2	160	(165/253).CCLS.	US-PGPUB: USPAT	1/5/06 16:11	253 <sched165.htm> Temperature sensor controlling temperature
IS&R	L3	231	(165/287).CCLS.	US-PGPUB: USPAT	1/5/06 16:11	287 <sched165.htm> Temperature responsive or control:
IS&R	L4	467	(165/299).CCLS.	US-PGPUB: USPAT	1/5/06 16:11	299 <sched165.htm> Flow of one heat exchange material controlled by temperature of another:
IS&R	L5	32803	("122").CLAS.	US-PGPUB: USPAT	1/5/06 16:13	122 Liquid Heaters and Vaporizers
IS&R	L6	53870	("165").CLAS.	US-PGPUB: USPAT	1/5/06 16:13	Entire Class == Heat Exchange.
IS&R	L7	291	(122/451.1).CCLS.	US-PGPUB: USPAT	1/5/06 16:14	451.1 <sched122.htm> Thermally controlled
IS&R	L8	26717	("236").CLAS.	US-PGPUB: USPAT	1/5/06 16:14	236 Automatic Temperature and Humidity Regulation
IS&R	L9	18035	("337").CLAS.	US-PGPUB: USPAT	1/5/06 16:15	337 Electricity: electrothermally or thermally actuated switches
IS&R	L10	127938	("137").CLAS.	US-PGPUB: USPAT	1/5/06 16:15	137 Fluid handling
BRS	L11	66760	(Hydraulic adj2 fluid ) or (brake adj2 fluid)	US-PGPUB: USPAT	1/5/06 16:17	
BRS	L13	246	6 not (1 or 2 or 3 or 4) and 11	US-PGPUB: USPAT	1/5/06 16:18	see below
BRS	L14	6	6 not (1 or 2 or 3 or 4) and 11 and 7	US-PGPUB: USPAT	1/5/06 16:18	
BRS	L12	7	(1 or 2 or 3 or 4) and 11	US-PGPUB: USPAT	1/5/06 16:20	b = browsed
BRS	L15	1	7 not (1 or 2 or 3 or 4) and 11	US-PGPUB: USPAT	1/5/06 16:23	b
BRS	L18	20	9 not 7 not (1 or 2 or 3 or 4) and 11	US-PGPUB: USPAT	1/5/06 16:25	b
BRS	L16	56	5 not 7 not (1 or 2 or 3 or 4) and 11	US-PGPUB: USPAT	1/5/06 16:30	b
BRS	L17	68	8 not 7 not (1 or 2 or 3 or 4) and 11	US-PGPUB: USPAT	1/5/06 16:58	b
BRS	L19	226	13 not 5 not 8 not 9	US-PGPUB: USPAT	1/5/06 16:40	Remove Duplicates -- See Below...
BRS	L20	123	19 and heat\$3 and (pump or micro\$1pump)	US-PGPUB: USPAT	1/5/06 16:41	see below...
BRS	L21	58	19 and heat\$3 and (pump or micro\$1pump) and (resistance or current or voltage)	US-PGPUB: USPAT	1/5/06 16:42	see below...
BRS	L22	50	19 and heat\$3 and (pump or micro\$1pump) and (resistance or current or voltage) and temperature	US-PGPUB: USPAT	1/5/06 16:42	See below...
BRS	L23	7	19 and heat\$3 and (pump or micro\$1pump) and (resistance or current or voltage) and boiling	US-PGPUB: USPAT	1/5/06 18:15	b
BRS	L24	8	20 and boiling not 23	US-PGPUB: USPAT	1/5/06 16:47	b
BRS	L25	43	22 not 23 not 24	US-PGPUB: USPAT	1/5/06 16:51	b
BRS	L26	8	21 not 22 not 23 not 24	US-PGPUB: USPAT	1/5/06 16:51	b
IS&R	L27	61374	("417").CLAS.	US-PGPUB: USPAT	1/5/06 16:54	PUMPS class
IS&R	L28	88	(417/1).CCLS.	US-PGPUB: USPAT	1/5/06 16:58	. condition responsive pumps -- BROWSED.
BRS	L29	473	27 and 6	US-PGPUB: USPAT	1/5/06 16:58	See below...
BRS	L30	1	27 and (1 or 2 or 3 or 4) and 11	US-PGPUB: USPAT	1/5/06 16:59	b
BRS	L31	13	27 and (1 or 2 or 3 or 4) not 11	US-PGPUB: USPAT	1/5/06 17:01	b
BRS	L32	308	27 and 5 not (1 or 2 or 3 or 4) not 11	US-PGPUB: USPAT	1/5/06 17:02	
BRS	L33	454	27 and 6 not (1 or 2 or 3 or 4) not 11	US-PGPUB: USPAT	1/5/06 17:02	
BRS	L34	6	27 and 5 and (1 or 2 or 3 or 4)	US-PGPUB: USPAT	1/5/06 17:04	
BRS	L35	6	27 and 5 and 11	US-PGPUB: USPAT	1/5/06 17:04	b
BRS	L36	6	27 and 7 and (1 or 2 or 3 or 4)	US-PGPUB: USPAT	1/5/06 17:04	
BRS	L37	38	27 and 7	US-PGPUB: USPAT	1/5/06 17:05	b
IS&R	L38	14998	("374").CLAS.	US-PGPUB: USPAT	1/5/06 17:07	
BRS	L39	6	32 and 38	US-PGPUB: USPAT	1/5/06 17:07	
BRS	L40	1	33 and 38	US-PGPUB: USPAT	1/5/06 17:08	b
BRS	L41	6	13 and 38	US-PGPUB: USPAT	1/5/06 17:09	
BRS	L42	234	6 and 38	US-PGPUB: USPAT	1/5/06 17:09	
BRS	L43	3	42 and heat\$3 and (pump or micro\$1pump) and (resistance or current or voltage) and boiling	US-PGPUB: USPAT	1/5/06 17:24	b
BRS	L44	24	42 and heat\$3 and (pump or micro\$1pump) and (resistance or current or voltage) not boiling	US-PGPUB: USPAT	1/5/06 17:25	b
IS&R	L45	64	(165/104.29).CCLS.	US-PGPUB: USPAT	1/5/06 18:01	browsed
IS&R	L46	1211	((165/104.21) or (165/104.22) or (165/104.23) or (165/104.24) or (165/104.28)).CCLS.	US-PGPUB: USPAT	1/5/06 18:02	
IS&R	L48	1103	((165/104.21) or (165/104.22)).CCLS.	US-PGPUB: USPAT	1/5/06 18:02	see below
IS&R	L47	122	((165/104.23) or (165/104.24) or (165/104.28)).CCLS.	US-PGPUB: USPAT	1/5/06 18:02	browsed
BRS	L49	61	48 and heat\$3 and (pump or micro\$1pump) and (resistance or current or voltage) and boiling	US-PGPUB: USPAT	1/5/06 18:16	browsed.

January 5, 2006

## 10723419 BOILING POINT OF A LIQUID East SRNT (sjp)

Type	S#	Hits	Search-Text	DBs	Time Stamp	Comments
IS&R	L51	78395	("219").CLAS.	US-PPGUB: USPAT	1/5/06 18:54	
BRS	L52	253	51 and heat\$3 and (pump or micro\$1pump) and (resistance or current or voltage) and boiling	US-PPGUB: USPAT	1/5/06 18:54	
BRS	L53	18	6 and 52	US-PPGUB: USPAT	1/5/06 18:56	b
BRS	L56	0	((thin adj film ) with (heating adj element) ) with micro\$1pump	US-PPGUB: USPAT	1/5/06 19:05	
BRS	L57	5	((thin adj film ) with (heating adj element) ) with pump	US-PPGUB: USPAT	1/5/06 19:04	b
BRS	L58	666	((thin adj film ) with (heating adj element) )	US-PPGUB: USPAT	1/5/06 19:05	see below
BRS	L59	55	51 and 58	US-PPGUB: USPAT	1/5/06 19:05	b
BRS	L60	41	(thin adj film ) with self\$1heating	US-PPGUB: USPAT	1/5/06 19:30	b